Name of work : Improvements to someshwara Hill and surrounding areas at attur ward no.03 in yelahanka satelite town sub division.

QUALITY ASSURANCE/ QUALITY CONTROL REPORT

EE/QA/PR/ 08/2024-25, DATE 11-06-2024

Name of work	:	Improvements to someshwara Hill and surrounding areas at attur ward no.03 in yelahanka satelite town sub division.
Job Code	:	003-20-000066
Estimate Cost	:	400.00 Lakhs
Bill and Amount	:	3rd and Final bill, Rs. 13306057.15 (Including GST)
Name of the agency	:	Sri. Gopi Reddy
Project Management Consultants	:	M/s NEWZEN CONSULTANT BANGALORE
Type of Test Performed	:	Rebound Hammer test as per IS 13311-2 (1992), Physical test.
Materials on which Tests Was Performed	:	Concrete Road (M30), Kerb (M20), Drain Cover Slab (M20), Culvert Slab (M25), Concert Road Path, Physical test on paver blocks.
Officers present during inspection	:	
Quality Assurance / Quality Control - Assistant Executive Engineer	:	Mr. Vinayak V Naik
Quality Assurance/ Quality Control - Executive Engineer	:	Mis. Varalakshmi
Division Assistant Engineers	:	Mr. P Anjanayalu
PMC Representative	:	Mr. Sachin
Contractors Representative	:	Mr. Gopi Reddy
Name of the test and Equipment's		
Rebound Hammer test	:	Yes
Observations	:	• Rebound Hammer test and Physical test was conducted by M/s NEWZEN CONSULTANT BANGALORE PMC project Management Consultants, at various Location in Presence of Quality, Assurance Mr. Vinayak V Naik AEE. • Rebound Hammer test was Conducted randomly on Concrete Road (M30), Kerb (M20), Drain Cover Slab (M20), Culvert Slab (M25), Concert Road Path, Physical test on paver blocks. • The Readings of Rebound Hammer test Readings and Results are Recorded by the PMC consultants. • The Location wise test results furnished by PMC to BBMP QA department are reproduced in the tables shown below.
Test Locations	:	1. Location 01 : Someshwara Hill (Geo Location : 13.091112,77.557702) 2. Location 02 : Someshwara Hill (Geo Location : 13.090410,77.52315) 3. Location 03 : Someshwara Hill (Geo Location : 13.089625,77.552687) 4. Location 04 : Someshwara Hill (Geo Location : 13.089585,77.552245)

11/6/24

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ಉಪ-ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

11/6

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Name of work : Improvements to someshwara Hill and surrounding areas at attur ward no.03 in yelahanka satelite town sub division.

Table 01 : Rebound hammer test

no. test	Geo Location	Floor level / Structural Member /Identification	Rebound Hammer Number	Average Rebound Hammer Number	Compressive strength of concrete(N/mm²)	Impact Direction
1	Location 01 : Someshwara Hill (Geo Location: 13.091112 ,77.557702)	Concrete Road (M30)	40 44 40 40 40 42	41	48-50	Vertical Down
2		Kerb (M20)	28 34 30 32 30 30	30	23-25	Horizontal
3		Concrete Road (M30)	38 40 40 38 38 38	38	42-44	Vertical Down
4	Location 02 : Someshwara Hill (Geo Location: 13.090410 ,77.52315)	Drain Cover Slab (M20)	42 42 38 38 40 38	39	44-46	Vertical Down
5	Location 03 : Someshwara Hill (Geo Location: 13.089625, 77.552687)	Culvert Slab (M25)	32 32 30 30 32 32	31	30-32	Vertical Down
6	Location 04 : Someshwara Hill (Geo Location: 13.089585 ,77.552245)	Concert Road Path.	36 32 38 38 40 38	37	40-42	Vertical Down

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Name of work : Improvements to someshwara Hill and surrounding areas at attur ward no.03 in yelahanka satelite town sub division.

Conclusion

The file containing 3rd and Final bill has been submitted above work to QA Department on Engineers of QA/QC division have visited the work spot on 07/06/2024.

From the test results furnished by PMC consultants, it is concluded that the results of the samples collected are in accordance with the standards/ specifications mention in the IRC, BIS codes. However, the results submitted by the PMC have been reproduced here with for further needful action. The results checked by QA/QC relates only for item tested in the particular location randomly.

Further, QA/QC directs the PMC and Engineer in-charge of the work that all materials used for the work shall be inspected, tested and accepted as per the relevant specifications before incorporation in the work. The frequencies and methods of sampling and testing materials, including those required for definite purpose and not covered by MORTH specifications shall be in accordance to the relevant IRC or BIS or AASHTO/ASTM/BS standards in order of priority.

All materials or work not conforming to the requirements of the specifications shall be considered unacceptable and rejected. The unacceptable materials or works that are rejected shall be immediately removed unless the defects are corrected and approved by the engineer in-charge of work.

The concerned Engineer in charge of the work shall follow the direction issued by Chief Commissioner Letter number dated 01.08.2022 and 14.09.2022 and take necessary action as appropriate in accordance with the law.

Note: -

i. This report by QA/QC is pertaining to the work carried out in 3rd and Final bill only.

ii. Safety precautions shall be taken at work spot to prevent any mishap, injuries or loss of life to general public and construction workers according to guidelines laid down in code of practices.

iii. Engineer in charge of work shall obtain requisite approval and Implement traffic management plan prior to commencement of work.

iv. Engineer in Charge of work any Changes in the estimate approval should be taken from competent authority.

v. Engineer in charge of work shall display details of work, work code, cost of project, start and completion date, and information of Engineer in charge of work with contact numbers at work spot.

vi. Engineer in charge of work and Agency shall ensure that if any damages or defects occur pertaining to the executed work within the Defect Liability period (DLP) as per agreement the same shall be rectified immediately on top priority without fail.

vii. The amount claimed for work slip /EIRL items shall be released to contractor upon obtaining approval from competent authority.

11/6/24

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11/06

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viii. Engineer in charge of work shall ensure that work executed as per this bill is not claimed in any other bill/work or else Engineer in charge of work shall be held responsible.

ix. Engineer in charge of work shall ensure that any changes/modification/change in location in the sanctioned estimate to be get approved by competent authority.

11/6/24

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11/6

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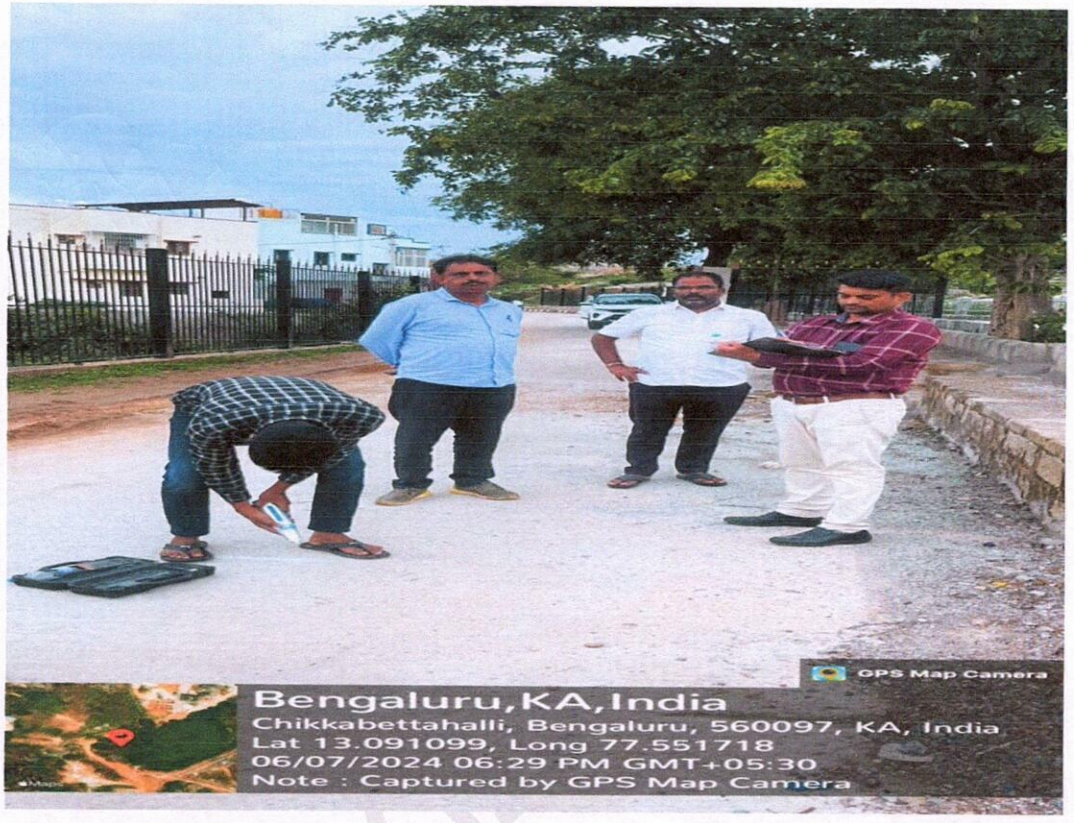
003-20-000066

Name of work : Improvements to someshwara Hill and surrounding areas at attur ward no.03 in yelahanka satelite town sub division.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Chikkabettahalli, Bengaluru, 560097, KA, India
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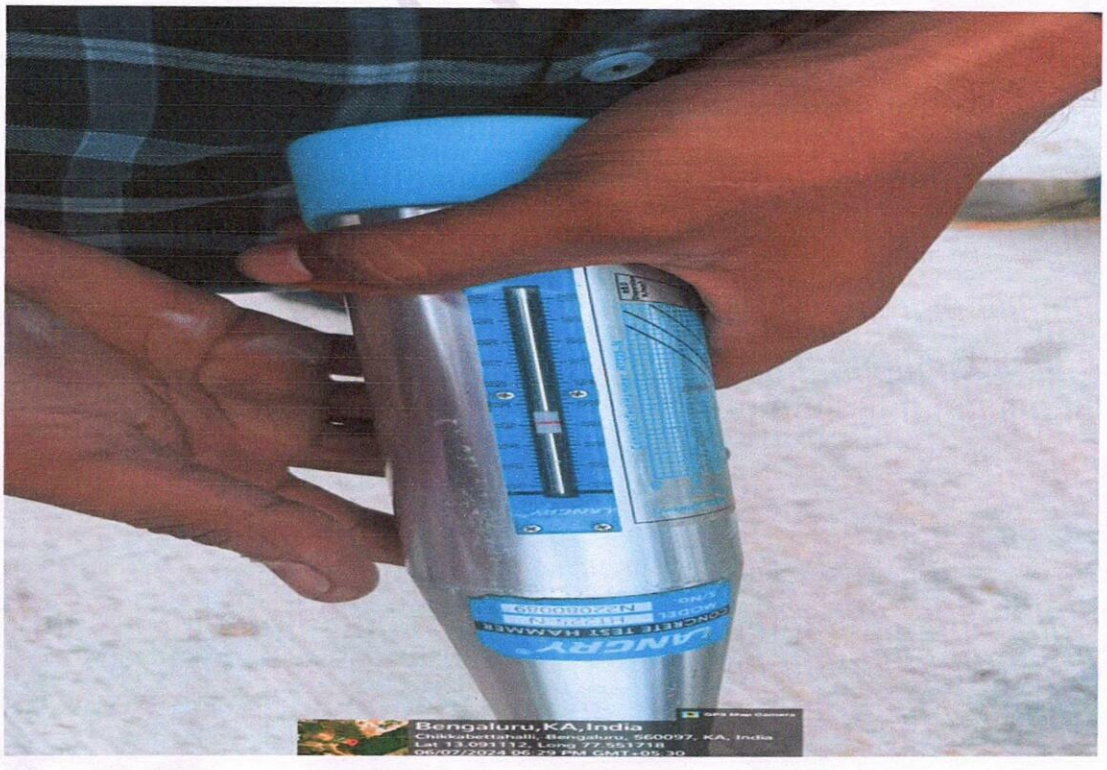

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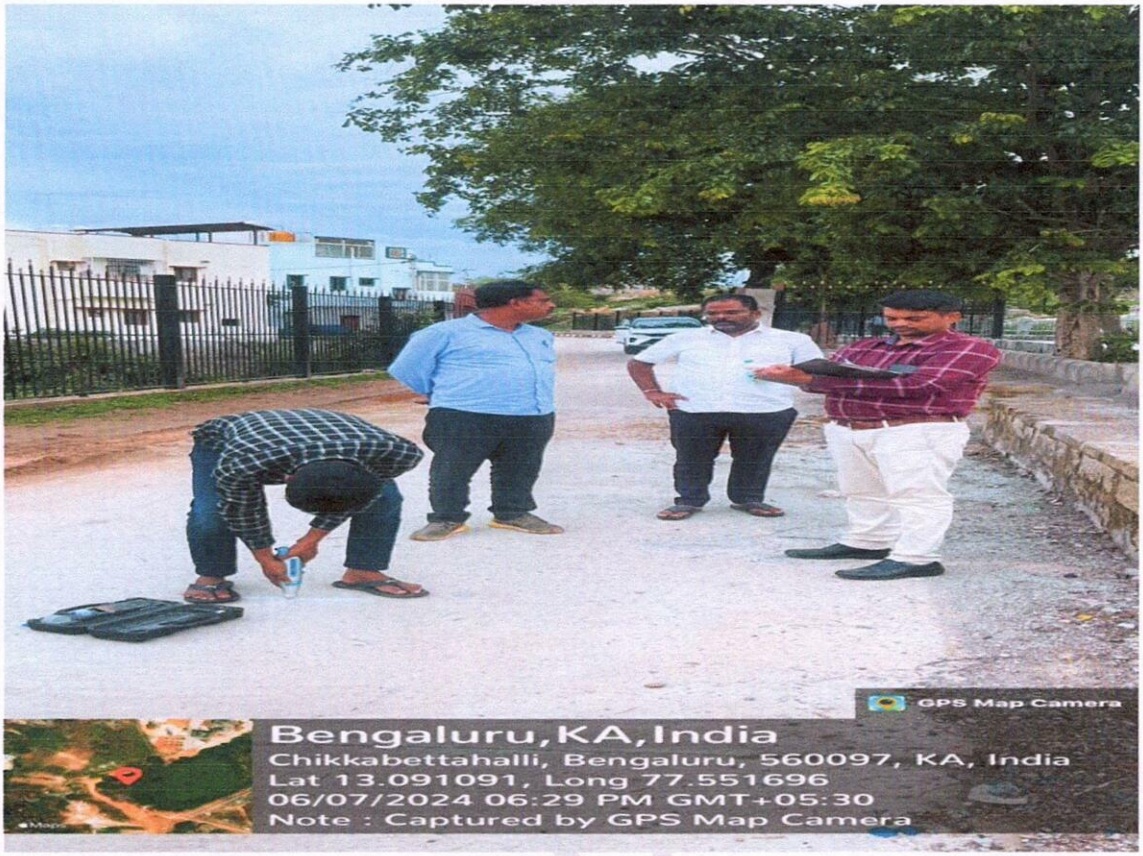
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Note : Captured by GPS Map Camera

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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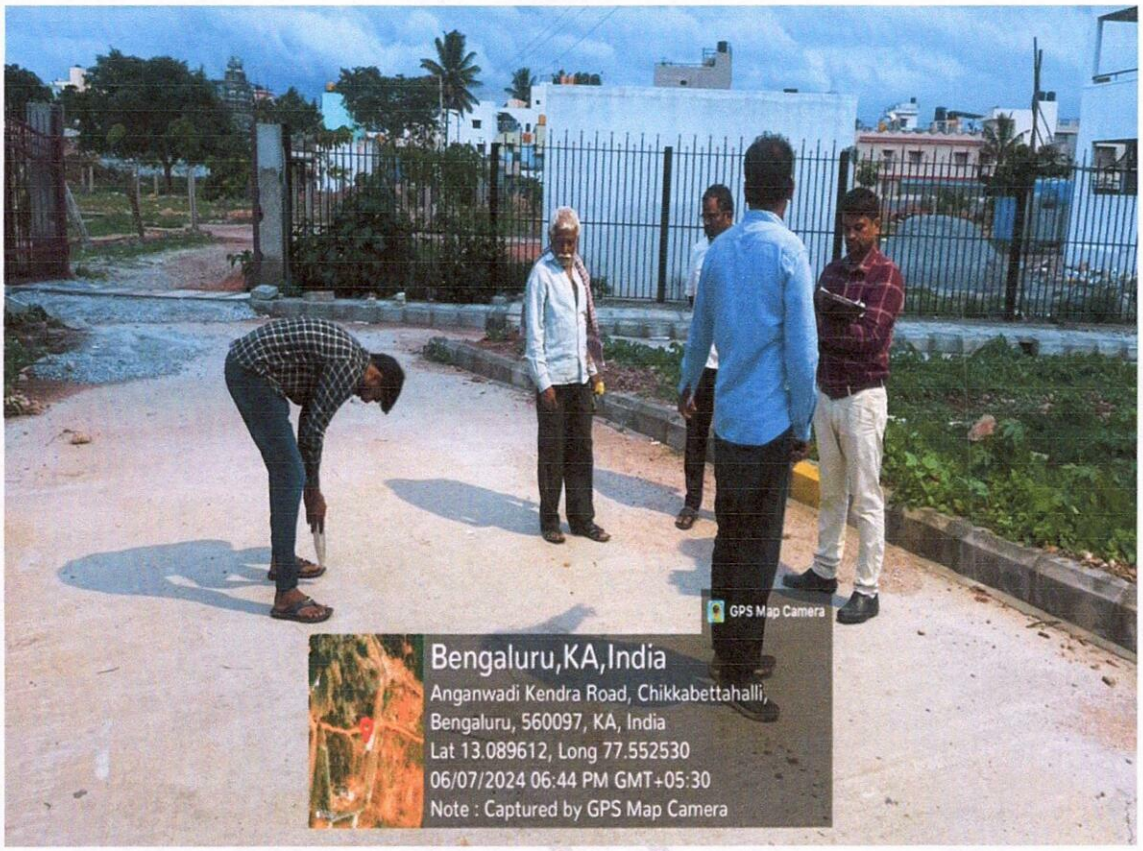

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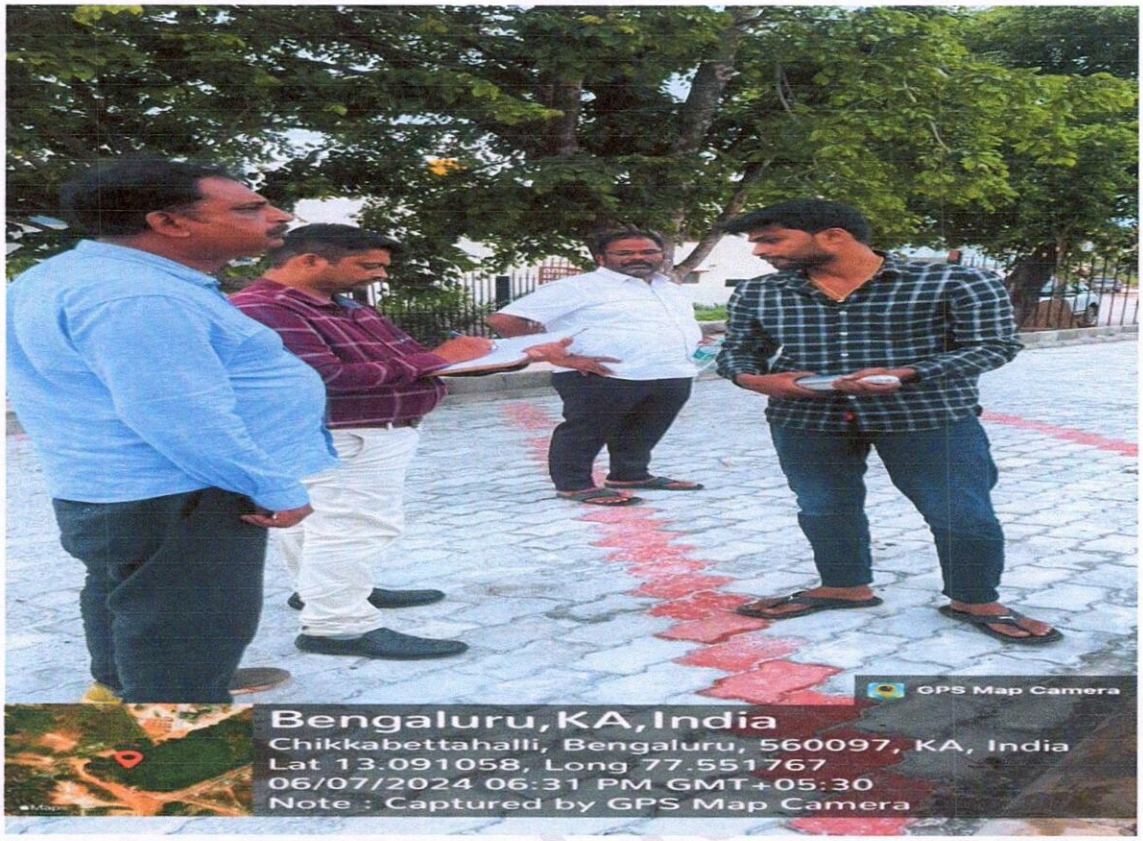
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Bengaluru,KA,India
Chikkabettahalli, Bengaluru, 560097, KA, India
Lat 13.091058, Long 77.551767
06/07/2024 06:31 PM GMT+05:30
Note : Captured by GPS Map Camera

Concrete Test Hammer HT225-N
GPS Map Camera
Bengaluru,KA,India
Chikkabettahalli, Bengaluru, 560097, KA, India
Lat 13.091061, Long 77.551752
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Note : Captured by GPS Map Camera

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Name of work : Improvements to someshwara Hill and surrounding areas at attur ward no.03 in yelahanka satelite town sub division.

GPS Map Camera
Bengaluru,KA,India
Chikkabettahalli, Bengaluru, 560097, KA, India
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Note : Captured by GPS Map Camera

GPS Map Camera
Bengaluru,KA,India
Chikkabettahalli, Bengaluru, 560097, KA, India
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Note : Captured by GPS Map Camera

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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GPS Map Camera
Bengaluru,KA,India
Chikkabettahalli, Bengaluru, 560097, KA, India
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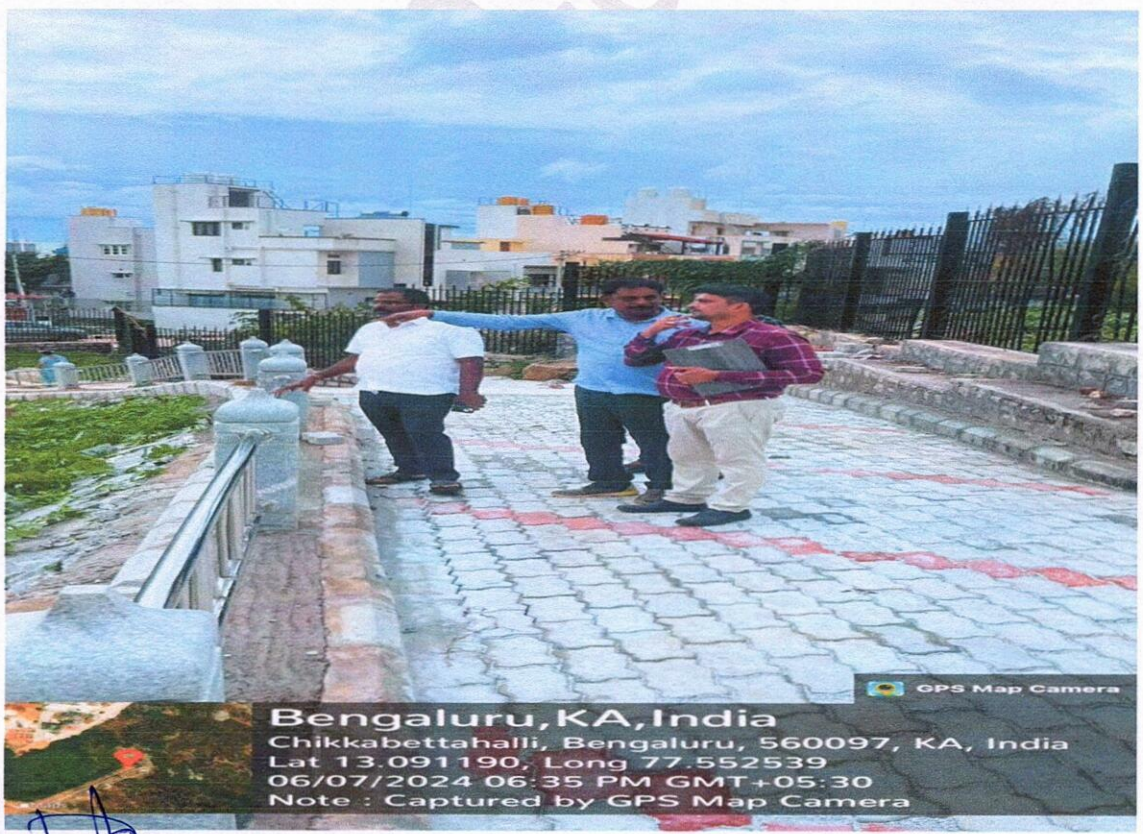
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Chikkabettahalli, Bengaluru, 560097, KA, India
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Note : Captured by GPS Map Camera

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GPS Map Camera
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Chikkabettahalli, Bengaluru, 560097, KA, India
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Note : Captured by GPS Map Camera

GPS Map Camera
Bengaluru,KA,India
Chikkabettahalli, Bengaluru, 560097, KA, India
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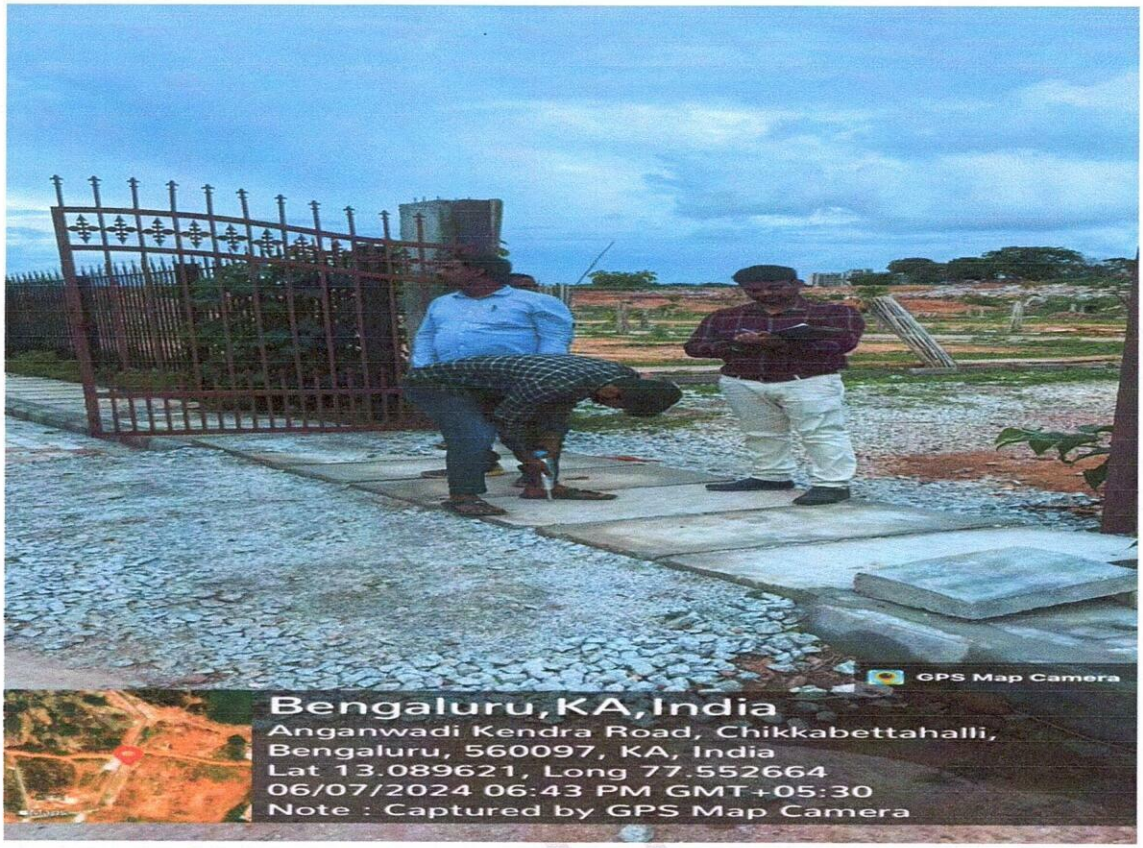

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ